

# INFORMATION DISCLOSURE CITATION

PTO-1449

 ATTY. DOCKET NO.  
A-67207-2/DJB/RMS/DCF

 SERIAL NO.  
09/287,573

 APPLICANT  
WALT t al.

 FILING DATE  
April 6, 1999

 GROUP  
1743

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>gfg</i>	A	4,822,746	4/1989	Walt	—	—	—
<i>gfg</i>	B	5,002,867	3/1991	Macevicz	—	—	—
<i>gfg</i>	C	5,114,864	5/1992	Walt	—	—	—
<i>gfg</i>	D	5,132,242	7/1992	Cheung	—	—	—
<i>gfg</i>	E	5,143,853	9/1992	Walt	—	—	—
<i>gfg</i>	F	5,194,300	3/1993	Cheung	—	—	—
<i>gfg</i>	G	5,244,636	9/1993	Walt et al.	—	—	—
<i>gfg</i>	H	5,244,813	9/1993	Walt et al.	—	—	—
<i>gfg</i>	I	5,250,264	10/1993	Walt et al.	—	—	—
<i>gfg</i>	J	5,252,494	10/1993	Walt	—	—	—
<i>gfg</i>	K	5,254,477	10/1993	Walt	—	—	—
<i>gfg</i>	L	5,298,741	3/1994	Walt et al.	—	—	—
<i>gfg</i>	M	5,320,814	6/1994	Walt et al.	—	—	—
<i>gfg</i>	N	5,496,997	3/1996	Pope	—	—	—
<i>gfg</i>	O	5,512,490	4/1996	Walt et al.	—	—	—
<i>gfg</i>	P	5,573,909	11/1996	Singer et al.	—	—	—
<i>gfg</i>	Q	5,633,972	5/1997	Walt et al.	—	—	—
<i>gfg</i>	R	5,565,324	10/1996	Still et al.	—	—	—
<i>gfg</i>	S	5,690,894	11/1997	Pinkel et al.	—	—	—
<i>gfg</i>	T	4,200,110	4/1980	Peterson et al.	—	—	—

EXAMINER

*Anil B. Patel*

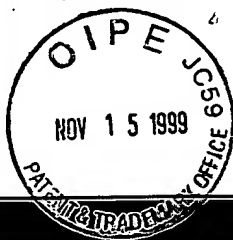
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EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
88	U	4,682,895	7/1987	Costello	—	—	—
88	V	4,785,814	11/1988	Kane	—	—	—
88	W	5,814,524	9/1998	Walt et al.	—	—	—
88	X	4,499,052	2/1985	Fulwyler	—	—	—
88	Y	5,105,305	4/1992	Betzig et al.	—	—	—
88	Z	5,302,509	4/1994	Cheeseman	—	—	—
88	AA	5,494,798	2/1996	Gerdt et al.	—	—	—
88	BB	5,435,724	7/1995	Goodman et al.	—	—	—
88	CC	5,028,545	7/1991	Soini	—	—	—
88	DD	5,308,771	6/3/1994	Zhou et al.	—	—	—
88	EE	SN 08/818,199	3/1997	Walt et al.	—	—	—
88	FF	SN 08/851,203	5/1997	Walt et al.	—	—	—

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							Yes	No
88	GG	0478 319	4/1992	EP	—	—	✓	
88	HH	0269764	6/1988	EP	—	—	✓	
88	II	93/02360	2/1993	PCT	—	—	✓	
88	JJ	89/11101	11/1989	PCT	—	—	✓	
88	KK	97/14028	4/1997	PCT	—	—	✓	
88	LL	0 723 146	7/1996	EP	—	—	✓	
88	MM	2 294 319	4/24/1996	GB	—	—	✓	


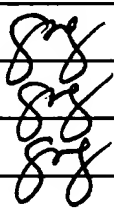
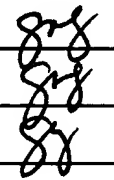
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Barbara A. Deibel

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				APPLICANT WALT et al.				
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<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	NN	5,380,489	1/1995	Sutton et al.	—	—	—	
	OO	5,888,723	3/1999	Sutton et al.	—	—	—	
	PP	5,900,481	5/1999	Lough et al.	—	—	—	
<b>FOREIGN PATENT DOCUMENTS</b>								
EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							Yes	No
	QQ	97/12030	4/3/1997	PCT	—	—	✓	RECEIVED NOV 16 1999 MAIL ROOM
	RR	94/12863	6/9/1994	PCT	—	—	✓	
	SS	98/53300	11/1998	PCT	—	—	✓	

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*Gisela A. Stahl*

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*7-1-00*

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

828	1	Anonymous, "Fluorescent Microspheres," Tech. Note 19, Bang Laboratories, (Fishers, IN) February 1997.
828	2	Anonymous, "Microsphere Selection Guide," Bangs Laboratories, (Fisher, IN) September 1998.
828	3	Bangs, L.B., "Immunological Applications of Microspheres," The Latex Course, Bangs Laboratories (Carmel, IN) April 1996.
828	4	Healey, B., et al. "Development of a Penicillin Biosensor Using a Single Optical Imaging Fiber," SPIE 2388:568-573 (1995).
828	5	Healey, B., et al. "Improved Fiber-Optic Chemical Sensor for Penicillin," Analytical Chemistry, 67(24): 4471-4476 (1995).
828	6	Michael, K., et al. "Fabrication of Micro- and Nanostructures Using Optical Imaging Fibers and Their Use as Chemical Sensors," Electrochemical Society Proceedings 97-5: 153-158 (1997).
828	7	Pantoano, P. et al., "Ordered nanowell Arrays," Chem. Mater., 8:2832-2835 (1996).
828	8	Peterson, J. et al., "Fiber Optic pH Probe for Physiological Use," Anal. Chem., 52:864-869 (1980).
828	9	Pope, E. "Fiber Optic Chemical Microsensors Employing Optically Active Silica Microspheres," SPIE, 2388:245-256 (1995).
828	10	Walt, D. "Fiber-Optic Sensors for Continuous Clinical Monitoring," Proceedings of the IEEE, 80(6):903-911 (1992).
828	11	Ferguson, J. et al. "A Fiber-Optic DNA Biosensor/Microarray for the Analysis of Gene Expression," Nature Biotechnology, 14:1681-1684 (1996).
828	12	Healey, B. et al. "Fiberoptic DNA Sensor Array Capable of Detecting Point Mutations," Analytical Biochemistry, 251:270-279 (1997).
828	13	Piunno, P. et al. "Fiber-Optic DNA Sensor for Fluorometric Nucleic Acid Determination," Anal. Chem. 67:2635-2643 (1995).
828	14	Abel, A. et al. "Fiber-Optic Evanescent Wave Biosensor for the Detection of Oligonucleotides," Anal. Chem. 68:2905-2912 (1996).
828	15	Strachan, N.J.C. et al. "A Rapid General Method for the Identification of PCR Products Using a Fibre-Optic Biosensor and its Application to the detection of <i>Listeria</i> ," Letters in Applied Microbiology, 21:5-9 (1995).
828	16	Barnard et al., "A Fibre-Optic Chemical Sensor with Discrete Sensing Sites," Nature, 353:338-340 (26 September 1991).
828	17	Fuh, et al., "Single Fibre Optic Fluorescence pH Probe," Analyst, 112:1159-1163 (1987).
828	18	Hirschfeld, et al., "Laser-Fiber-Optic "Optrode" for Real Time In Vivo Blood Carbon Dioxide Level Monitoring," Journal of Lightwave Technology, LT-5(7):1027-1033 (July 1987).
828	19	Mignani, et al., "In-Vivo Biomedical Monitoring by Fiber-Optic Systems," Journal of Lightwave Technology, 13(7): 1396-1406 (1995).
828	20	Peterson, et al., "Fiber-Optic Sensors for Biomedical Applications," Science, 13:123-127 (1984).

EXAMINER

*Christine E. Gabel*

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7-1-02

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FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation
							Yes      No
808	A	0 392 546	10/1990	EP	—	—	✓
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
808	1	Drmanac, R. et al., "Sequencing by Oligonucleotide Hybridization: A Promising Framework in Decoding of the Genome Program," The First International Conference on Electrophoresis, Supercomputing and the Human Genome, Proceeding os th April 10-13, 1990 Conference at Florida State University. Ed. C. Cantor and H. Lim.					
808	2	Drmanac, R. et al., "Prospects for a Miniaturized, Simplified and Frugal Human Genome Project," Scientia Yugoslavica, 16(1-2):97-107 (1990).					
808	3	Drmanac, R. et al., "Sequencing by Hybridization (SBH) with Oligonucleotide Probes as an Integral Approach for the Analysis of Complex Genomes," International Journal of Genome Research, 1(1):59-79 (1992).					
808	4	Drmanac, R. et al., "Sequencing by Hybridization," Automated DNA Sequencing and Analysis, ed. M. Adams, C. Fields and J. Venter. (1994).					
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